



SAT 09/394,902

Attorney Docket No.: 60141.0003US12

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-40. (Canceled)

41. (Currently Amended) A method of producing a pluripotent porcine CICM cell line, comprising:

- (i) inserting a desired differentiated pig cell or cell nucleus of a differentiated pig cell into an ~~optionally~~ enucleated pig oocyte, under conditions suitable for the formation of a nuclear transfer (NT) unit;
- (ii) ~~removing the endogenous oocyte nucleus if not already effected;~~
- (iii) (ii) activating the resultant nuclear transfer unit; and
- (iv) (iii) culturing cells obtained from said activated NT unit to obtain a porcine CICM cell line which is pluripotent and may be maintained indefinitely in tissue culture.

42. (Previously Presented) The method of claim 41, which comprises culturing said activated nuclear transfer unit until a discernible trophectoderm and inner cell mass is obtained.

43. (Canceled).

44. (Previously Presented) The method according to claim 41, wherein a desired DNA is inserted, removed or modified in said differentiated pig cell or cell nucleus, thereby resulting in the production of a genetically altered NT unit.

45. (Canceled).

46. (Previously Presented) The method of claim 41, wherein the resultant CICM cell line is induced to differentiate.

47. (Previously Presented) The method of claim 44, wherein the CICM cell is allowed to differentiate.

48. (Canceled).

49. (Currently Amended) A method for cloning a porcine fetus or live offspring comprising the following steps:

- (i) activating a porcine oocyte that optionally is enucleated;
- (ii) transferring a desired differentiated pig cell or nucleus into said porcine oocyte after or approximately simultaneous to said activating step (i) to produce an NT unit;
- (iii) removing the endogenous oocyte nucleus if oocyte not previously enucleated; and
- (iv) transferring said NT unit, optionally after a culturing step, into a female porcine to produce a porcine fetus or animal.



CONCLUSION

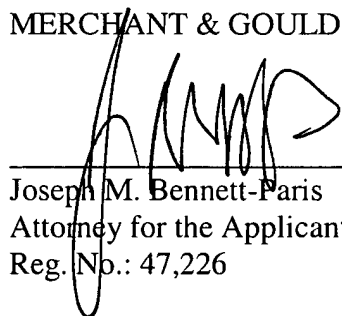
Applicants respectfully submit that the foregoing corrected Amendment and previously filed Response place this application in condition for allowance of all pending claims.

No further fees are believed due; however the commissioner is authorized to charge any fee due or refund any credit to Deposit Account No. 13-2725. If the Examiner believes that there are any issues that can be resolved by a telephone conference, or that there are any informalities that can be corrected by an Examiner's amendment, please call the undersigned at 404.954.5088.

Respectfully submitted,

MERCHANT & GOULD

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